

NUMBERS & ODDITIES
a.k.a. the Spooks Newsletter
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Welcome to the 121st edition of "Numbers & Oddities". It was a bit of a dull month but there are still a couple of nice things to report: the Cubans have introduced 2 new modes and Cherry Ripe is using a couple of new schedules. I have three interesting Unids in the Ute Round-up section and an overview of the HF pirate beacons in the USA.

* VOICE STATIONS *

::: E03

Alpha compiled the monthly Lincolnshire Poacher idents. Thanks OM!

September 2007 - phase 1:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	26434	26434	26434	26434	26434	26434	26434	1200
1300	89290	89290	89290	89290	89290	89290	89290	1300
1400	82956	02710	52510	20781	26434	67476	33071	1400
1500	33071	82956	02710	52510	20781	26434	41369	1500
1600	41369	33071	82956	02710	52510	20781	67476	1600
1700	67476	41369	33071	82956	02710	52510	26434	1700
1800	26434	67476	41369	33071	82956	02710	20781	1800
1900	20781	89290	67476	89290	33071	82956	89290	1900
2000	89290	26434	89290	41369	89290	33071	52510	2000
2100	52510	20781	26434	67476	41369	89290	02710	2100
2200	02710	52510	20781	26434	67476	41369	82956	2200

Changes:

08-9: 52510 --> 46759

11-9: 89290 --> 65941

September 2007 - phase 2:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	93543	93543	93543	93543	93543	93543	93543	1200
1300	12611	12611	12611	12611	12611	12611	12611	1300
1400	20858	32194	46509	16069	93543	23195	84020	1400
1500	84020	20858	32194	46509	16069	93543	58571	1500
1600	58571	84020	20858	32194	46509	16069	23195	1600
1700	23195	58571	84020	20858	32194	46509	93543	1700
1800	93543	23195	58571	84020	20858	32194	16069	1800
1900	16069	12611	23195	12611	84020	20858	12611	1900
2000	12611	93543	12611	58571	12611	84020	46509	2000
2100	46509	16069	93543	23195	58571	12611	32194	2100
2200	32194	46509	16069	93543	23195	58571	20858	2200

Changes:

25-9: 46509 --> 54907

29-9: 12611 --> 41113 //really late, 4 times sent

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::: E03a (E04)

Cherry Ripe has been changing it schedules. We don't have the complete picture yet. The following times and frequencies has been confirmed by dxers from Japan and Australia.

UTC	Frequencies		Sun	Mon	Tue	Wed	Thu	Fri	Sat	
0000	14730	18865	-	x	x	x	x	x	-	
0100	18864	21866	-	x	x	x	x	x	-	
0500	16525	18465	-	x	x	x	x	x	-	
0600	18465	22645	-	x	x	x	x	x	-	
0700	20610	?	-	-	-	-	-	x	-	Heard only once.
1000	20474	23461	-	x	x	x	x	x	-	
1100	18864	23461	-	x	x	x	x	x	-	
1200	18864	23461	-	x	x	x	x	x	-	
1300	18864	21866	23461	-	x	x	x	x	-	
2200	18465	24644	x	x	x	x	x	-	-	
2300	18864	21866	x	x	x	x	x	-	-	

Alpha submitted the transcript of the 1300 UTC transmission on 10-9 at parallel frequencies 18864, 21866 and 23461 kHz. Please, read downwards (31957, 63295, etc.)

31957	99435	56445	16025	52101	49566	47775	46904	54286	34176
63295	33175	58865	51393	35430	58120	60958	90897	02413	64084
14690	38020	39503	16313	64830	40649	42345	93735	13613	55445
26440	75071	33985	94887	00146	27407	66203	59823	86586	97250
31465	32026	65510	14912	54894	93227	17204	27696	49727	84606
84971	61290	74851	94248	14617	81424	37125	22821	94052	75352
30440	17740	43381	30231	55758	03161	72977	26909	11994	87851
42164	37611	76767	67994	04535	34875	40441	03097	40099	54976
67370	29460	34641	66669	38119	68659	35742	28130	59843	27043
66872	37403	63085	13824	58640	76836	42337	91072	69592	69719
45254	37935	19456	77938	66392	59936	42275	57391	49961	26142
15279	79184	69826	11762	30932	91788	88090	58696	55975	14683
38603	07501	39286	49006	58393	06484	82602	60053	09382	29970
91280	07020	22110	01096	76901	31049	48914	25839	31036	69052
34286	49923	06226	15091	28191	77937	37089	70956	65093	46786
39902	02246	34494	06807	89505	22512	46956	48695	86018	15542
37441	46856	06571	45524	33686	13266	48838	33137	61176	45115
54048	80557	31757	85006	02720	98074	82194	94416	43953	99582
95893	13724	05242	08690	60966	27362	42107	99104	77903	57091
52125	82701	14711	49878	42004	88627	78946	74457	75131	29749

::: E06

410	410	410	789	36						
21292	79188	87400	47422	93903	41139	91123	33445	48868	79155	
91999	65914	22254	54320	74127	33750	75832	36298	64905	44328	
73409	53768	30947	21812	66247	90267	01053	40742	54756	61386	
95912	93311	18632	34238	69237	13779					
789	36									

::: E10

S&D reports "HNCF" on the Enigma 2000 list. He copied it on 25-9 at 2236 UTC on 4115 and 6575 kHz. Also heard on 30-9 at 2130 (HNC) and 2141 (HNCF) on the same

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::: G11

G11 has been reactivated and was heard on

6940 kHz, 0745 UTC, 12-9

7984 kHz, 1045 UTC, 14-9

6940 kHz, 0730 UTC, 19-9

7984 kHz, 1103 UTC, 21-9

6940 kHz, 0730 UTC, 26-9

It sends its call for 5 minutes, then ACHTUNG followed by 5-figure groups. Each group is repeated. Then ACHTUNG and a repeat of the message. This time no repeated groups. The transmissions ends with ENDE.

This is the message that was sent on 19 and 26-9.

509 72

50635 43852 27955 98714 52215 47877 97243 34104 41220 12745

59647 71494 07895 34276 85571 82556 35042 77097 88931 59309

10183 32709 07966 07400 90225 55420 21182 68173 63777 79016

65295 80220 07545 28449 09900 95908 74277 03851 76311 70118

65867 69086 12150 56401 99788 23569 10726 46922 24200 05383

89031 88306 42221 10133 92342 67531 31166 06519 92847 43202

04655 46238 25122 29741 87215 26760 38286 17050 44217 95125

00000 00000

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::: S11a

I copied S11a on 7377 kHz at 0900 UTC and on 7984 kHz at 1030 and 1230 UTC this month.

I received a question about the pronunciation of the figures. They sound a bit strange, that's true :-)

Here is the list:

/ Cherta

1 Adinka 2 Dvoyka 3 Troyka 4 Chetyorka 5 Petyorka

6 Shest 7 Syem 8 Vosyem 9 Dyvyet 0 Noll

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::: V02a

Several V02a reports arrived via UDXF and Spooks. Thanks for submitting them, gentlemen!

The first one is from Mark who writes "6855 - 2135 - 2145, 9/20/07. I tripped across this frequency by an accidental tuning "error" while sitting down at the dials. When I first tuned in, and was finding a writing implement and log book, I noticed there was a 10 group of 5# sets which had a repeating number in each set - I believe it started 55550 and the set ended 14444. Each set had 2 or 3 repeated numbers - the only one I remember is the initial group, 88820 somewhere in the middle, and I copied down the last set. Senorita returned to her usual random numbers in the following sets with no more unusual sets or groups. Off with "finale, finale, finale" at 2145. The carrier dropped within a few seconds. Unfortunately my computer was booting, so I couldn't record that group, and I made the unwarranted assumption that there would be normal traffic, so I had neither pen nor paper handy. It also took me several sets to figure out that there were repeating numbers in all the sets. It would seem extremely unlikely that a group of that nature would be random."

Hugh sent a note about an unusual V02a content that he has heard on 21-9:
 "17436.0 V2a. VERY loud (for this time of day) AM carrier up at 1655. S5-9.
 Noise on the frequency was S0. The carrier was lightly modulated by a gurgly
 intermittent pulsed crosstalk type of sound, like baseband audio peaks leaking
 through. Vaguely audible yl and mx. Radio Havana Cuba?
 At 1656 "old" voice up with the 11111111..... string as sent in the text files -
 a long string of "uno." After null text, says "22222 22222." This whole thing
 repeats at 1658.
 Still in progress when abruptly cut for today's sked right at 1700. Atencion
 callup 23607 36184 72752. At 1702, messages begin in normal V2a format, done at
 1741, carrier drops at 1744."

The the final one, submitted by Tom on 22-9:
 "At 1549, AM carrier on & off with V2 voice repeating "tres" while carrier went on & off. At 1600, V2a with Atencion 37861 58888 56558 callup & into 5F msgs. At about 1625 the V2a audio dropped out & some white noise on freq. Muted broadcast audio came on, then later came up full strength & into music. The station was Radio Rebelde on 5025."

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::: V07

V07 is also still around. It appeared on
13381 kHz at 0610 UTC on 13-9 with "372 372 372 000"
14781 kHz at 0620 UTC on 13-9 with the same message

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::: V21

4XZ was active on 3700, 4331 and 6379 kHz with its usual "VVV DE 4XZ" strings and messages.

::: M41

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The French training stations were not often reported in September. They were heard on 5192.5, 5206, 5262 and 6888.5 kHz.

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V	T3AP	T3AP	T3AP	DE	QF3K	QF3K	on	5727.0, 8438.3	kHz
V	B7TZ	B7TZ	B7TZ	de	8PNX	8PNX	on	3846, 4928, 8046	kHz
V	CP17	CP17	CP17	de	L9CC	L9CC	on	7043.2, 7056.0, 7056.6, 7059.2, 7061.3, 7062.0, 7062.7, 7069.2, 7064.1, 7078.3	kHz

M89 variant: V 02M 02M DE NYZ NYZ on 6840.0 NYZ

* VARIOUS MODES *

The Buzzer has used yet another frequency for its buzzing. In June we could hear the station on its usual frequency 4625 kHz and on parallel frequency 3842 kHz and this month it was on 4325 kHz for a couple of days. Rimantas reported this frequency on 22-9.

We have noticed more parallel frequencies in the past 7 years, like in April 2000 when it briefly used 4619 kHz. In January 2001 it was on 4635 kHz and in January 2002 you could hear it on 11600 kHz as well. The station suddenly appeared on 4632 kHz in April 2004.

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::: XSL (Slot Machine)

The Japanese Navy telemetry transmissions can be found on 4153, 4231.5, 4291, 6417, 6445, 8313, 8588 and 8703.5 kHz.

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::: SK01 and variants

The Cuban DGI has again introduced two new modes. The new modes were identified as RDFT (Redundant Digital File Transfer) and HamDRM, an amateur version of the Digital Radio Mondial broadcast standard. Tom and Hugh were the first dxers who reported these modes. Thanks gentlemen!!!

RDFT can be decoded with DIGTRX 3.11. It requires Windows XP or Windows 2000. You can download a copy here: <http://www.tima.com/~djones/digtrx3.htm>
WinDRM decodes HamDRM and can be found on this website <http://n1su.com/windrm/>

Check the N&O website for sound samples of the new modes.

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9238 kHz, 1000 UTC, 01-9 PSK31
9238 kHz, 1000 UTC, 01-9 PSK31
17478 kHz, 1600 UTC, 10-9 RDFT in place of V02a
17436 kHz, 1700 UTC, 10-9 RDFT in place of V02a
17478 kHz, 1605 UTC, 13-9 RDFT
17436 kHz, 1700 UTC, 13-9 RDFT. The Cubans sent a file called nen12.txt which
consisted of the run-together numbers as seen on
their PSK schedules. Callsign field had RAD01 for an
identifier.
17436 kHz, 1724 UTC, 13-9 HamDRM. Same nen12.txt file
17436 kHz, 1720 UTC, 14-9 RDFT. Several transmissions
17478 kHz, 1600 UTC, 17-9 RDFT. Same nen12.txt file
17478 kHz, 1600 UTC, 19-9 RDFT. Same nen12.txt file
9040 kHz, 0900 UTC, 24-9 PSK31

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NEN12.txt file:

[illegible]

[illegible]

* MILITARY STATIONS *

::: RUSSIAN, CIS, UKRAINIAN MILITARY SSB & CW STATIONS (including M32)

Jan reports the Russian Naval VLF network skeds in the period 28-30 September:

18.1 kHz: Between 0300 and 2000 at h+08, +28, +48 and other slots.

RJH69 Vileika

RJH63 Krasnodar

RJH66 Kara-Balta

RJH99 N. Novgorod

Inaudible: RJH-77 Archangelsk

RAB-99 Khabarovsk

Mode: F1B FSK RTTY (T-600); F1B FSK slow Morse (callsign RDL + long messages or short messages, ending with K).

20.5 kHz: RJH69 Vileika 0642-0647

RJH63 Krasnodar 1016-1020 (or 1032-1040)

RJH66 Kara-Balta 0342-0347; 0942-0947

RJH99 N. Novgorod 0442-0447

Inaudible: RJH77 Arkhangelsk (currently not in operation);

RAB99 Khabarovsk.

23.0 kHz: RJH69 Vileika 0636-0641

RJH63 Krasnodar 1011-1016 (or 1027-1032)

RJH66 Kara-Balta 0336-0341; 0936-0941

RJH99 N. Novgorod 0436-0441

25.0 kHz: RJH69 Vileika 0602-0625

RJH63 Krasnodar 1001-1005 (or 1001-1020)

RJH66 Kara-Balta 0302-0325; 0902-0925

RJH99 N. Novgorod 0402-0425

25.1 kHz: RJH69 Vileika 0625-0630

RJH63 Krasnodar 1005-1008 (or 1020-1023)

RJH66 Kara-Balta 0325-0330; 0925-0930

RJH99 N. Novgorod 0425-0430

25.5 kHz: RJH69 Vileika 0630-0635

RJH63 Krasnodar 1008-1011 (or 1023-1027)

RJH66 Kara-Balta 0330-0335; 0930-0935

RJH99 N. Novgorod 0430-0435

We received a large amount of logs from Trond and Fritz of the 18.1 kHz transmissions. As usual only the messages are mentioned here. The complete logs can be found in the UDXF Logs Section.

18.1 Russian High Command. Operational transmitter sites "Krasnodar", Krasnoarmeyskaya radio centre and Vileyka radio centre, Belarus.

"rdl rdl rdl

11111 t?369 77563 26324 26324 61919 9t285 14253 57936 87525 t8296 93949
42762 8t53t 24282 6321t 47527 92117 788t9 27758 31654 6t614 1t488 2t277
51341 t6335 3984t 27191 84294 96732 83688 2t?94 t1753 17453 1322t 56531
29973 72993 7994t 53437 7t5t7 66834 t2347 13591 22t43 99743 86215 37814
998t3 21815 66555 t4344 48t53 56384 91482 21674 45636 64973 7t791 t6887
t4146 19672 46262 t8339 6t3tt 96t49 46885 12415 68132 21253 75586 98975
639t6 3762t 42948 19649 25t44 83641 t5994 21442 2874t 83393 26935 87t56
667t4 99891 34996 66778 11842 96t57 16641 626t7 34426 t5197 41827 54166
t6447 24286 83652 t3912 49743 78t35 38844 21832 1969t 11543 31921 24491
455tt 27361 171t1 51221 785t1 74921 27834 37938 71181 76947 t7434 39169
t2275 623t8 64254 t2t17 99148 75827 77922 54385 31933 t489t 69113 t81t2
61238 t3193 91342 6t734 t4926 88564 44735 59t59 9366t t8861 2t22t t6351
41199 11913 53171 62t59 45863 13149 k"

"rdl rdl rdl

11111 94656 68936 28852 28852 27566 3tt75 28282 17565 t896t 23177 82433
t5546 23389 8t475 11258 2153t 65248 t5757 877t5 85279 6t774 t7t17 19161
4t682 t6942 8t667 89355 155t9 7344t 19965 45179 62556 t3628 27844 73231
33117 425tt 71t67 15478 6t699 t7262 52163 27766 715t6 18343 59718 91159
7t719 43971 81536 39263 9569t 44821 43824 99642 88934 51125 41597 38867
t4155 tt569 91431 98t21 42364 6t386 38962 11t67 k

"rdl rdl rdl

11111 7512t 55565 485t5 485t5 12858 34364 17678 9t71t 41732 1777t 15557
55t74 41877 t8842 18699 55t88 7t315 87267 28247 t1t62 66924 88532 612t6
81958 16653 38724 32274 96555 74478 51499 44742 64217 89185 57473 26674
99263 1854t 46576 88648 91322 18t37 72925 51t8t 58868 22t45 k"

"rdl rdl rdl

11111 55479 43934 52957 52957 46958 768t4 6716t t46t9 11349 t3986 88144
75963 22994 t616t 74131 32t13 94698 33t62 19272 7t428 38724 85138 63t32
21113 62279 825t4 85479 186t6 4t5?9 738t3 69963 62834 96478 133t1 58797
31585 188h4 417t2 64415 72168 51911 74514 68677 t552t 92915 46712 t1967
56557 71129 98484 19973 27643 44439 1t681 68795 497t1 82349 85666 26117
46999 69586 86814 73927 13997 753t4 56845 1566t 32978 17931 77166 t7268
66t44 78244 77427 587t5 61t14 55462 94388 89931 97129 87378 16652 25t92
3211t 59232 6t963 42753 15868 t3355 48696 72583 73425 11175 39612 51392
7897t 72115 98344 t1555 182t7 5465t t2938 79t44 41t53 48772 83874 11296
t4787 44561 88551 22111 k"

inncorrect strategic flash message to RDL: "xxx xxx rdl rdl 42619 podarok 01 1100 210 090 1350 42619 podarok 01 1100 210 090 1350 k"

Note: "Podarok" is best translated as "very welcome gift" (info: Trond)

"xxx xxx rdl rdl ajsberg 42619 podarok 01 1100 210 090 1350 ajsberg 42619 podarok 01 1100 210 090 1350 k"

"xxx xxx rdl rdl 11772 podarok 01 1050 055 270 1450 k"

"xxx xxx rdl rdl 76950 podarok 01 1055 210 045 1555 k"

"uuu xxx xxx rks rks rdl rdl 75633 00481 zoli 8971 4906 k"

"rdl rdl rdl 9746t 6t996 9746t 6t996 9746t 6t996 k"

"xxx xxx RKS RKS RDL RDL 38516 97363 gruntlag k"

"xxx xxx RDL RDL 80141 93835 alxpjiskij 7156 9537 k"

"xxx xxx RKS RKS RDL RDL 66863 46657 zizifus 8633 5463 k"

"xxx xxx RKS RKS RDL RDL 48248 93085 anewrin 9846 0879 k"

"xxx xxx RDL RDL 19581 61908 elektri^ar 7123 1594 k"

"xxx xxx rdl rdl 93351 podarok 01 1030 055 125 1705 k"

21.1 Russian High Command with strategic flash messages.

"xxx xxx rdl rdl 82490 89083 pikrolit 1644 2650 k"

"xxx xxx rdl rdl 75633 00481 zoli 8971 4906 k"

3933 Russian Mil. RFFR, RFFN, RFFC, RFFO, RFFM.

"RFFR QTC k RFFR = 214 381 = + RFFR k.

4079 RMP: HQ Baltic Fleet, Kaliningrad. Baltic Sea weather forecast: "REO de

RMP QTC 251 126 29 2000 251 = SML = Prognoz pobody s 18 ^asow 30

Sent%bra% do 18 ^astow 2 Okt%br% Baltijskoe More ... AR"

4479 ZTPC: CIS Mil sends message: "6HOU de ZTPC 058 058 518 = 4122 6047 9595

... 7798 0253 = 037 K. C K". Then "P36V QRY1 ZCP ZWW ZCW = ZNN ZLW ZEM K. C R K. V9IJ?"

5086 Russian navy Kaliningrad. RMP5 wkg RFH61

6779 Ukrainian Mil. "KJFE de VQVD QTC K" "VQVD 55. 32 .120 = 740 = PPPPP

SGchILP"

6978 REA4: Russian Air Force Moscow.

7963 YOVD: Russian Mil sends message to E8PK: "577 16 23 0252 577 = 187 =

AZIMW ?YCFZ A^FFJ ... RRG%B WEP%E 674 K"

8345 RHC84: Russian Warship clg RCV. "RCV de RHC84 QSA3 QRU K."

"RCV de RCIG QSA? QTC. RCIG 624 17 22 2155 624 = FOR RJE73 RJH45 = 22181 99365 ... 88000 22014 = AR RCIG K". Also heard on this frequency: "RMGB, RK081 and RBIZ. RIT wkg with RMX62 and RK081.

8816 Russian Naval Aircraft 52671 reports flight details to GCS RJF94, RCB and RCH38.

9346 Russian High Command.

10155 Russian High Command.

10201 Russian Navy: RCV radio checks with RCIG, RBIZ and RBIZ on 12464 kHz.

10535 Russian High Command.

10747 Russian Navy: RIW wkg with RIE83 "QYT4 QWC"

11000 Russian Navy: RIW wkg RMDZ on 12464, asking for voice in plain USB on 13086 kHz.

11155 RIT wkg with RMX62 and RK081.

11576 Russian Navy: RMP wkg RCJD

12464 Russian Navy: RCV radio checks with RCIG, RBIZ and RBIZ

14016 Russian Mil. IT4N, IWMG, OJ4B, FRV3, NTQQ, LRLG, HNE6. Radio checks + msgs

14108 Russian Mil. QW1A, LN2H, C6M4, 8DWM, C6M4, AOX2, PPDK, TILV, CMLQ, PAA5, WSAY, NKON, SZD7, 5QZF, DOMN, WTZE. Radio checks + msgs

14118 Russian Mil. 7AWI, MRPR, KVWN. Radio checks + msgs

14312 Russian Mil. PUBW, CVBN. Msgs

14664 Russian High Command.
"xxx xxx RKS RKS RDL RDL 38516 97363 gruntlag k"
"xxx xxx RDL RDL 80141 93835 alxpjiskij 7156 9537 k"
"xxx xxx RKS RKS RDL RDL 66863 46657 zizifus 8633 5463 k"
"xxx xxx RKS RKS RDL RDL 48248 93085 anewrin 9846 0879 k"
"xxx xxx RDL RDL 19581 61908 elektri^ar 7123 1594 k"
"xxx xxx rdl rdl 93351 podarok 01 1030 055 125 1705 k"

15812 RIT wkg with RMX62 and RK081

* UTILITY ROUND-UP *

::: PIRATE BEACONS

A lot of reports this months. Thanks for that! Check for US based beacons also the website of the High Frequency Beacon Society at

<http://highfrequencybeaconsociety.bravehost.com>

"C0" has a new antenna that is broadside east-west and up 25 ft above the ground.

New beacons can be found on 4077 kHz ("M0") and 4096 kHz (6 dits + long dash).

Besides the new ones a lot of other beacons have been reported in the past few months. Here is the complete? list. Note that they are not always on the air and some have changed frequency. It is therefore possible that the same beacon is mentioned more than once.

Arizona:	2097.3 - A
	4079.0 - TMP...
	5484.0 - TSN
	8000.5 - S
Arkansas:	4028.1 - PA Oklahoma soon to be moved to Arkansas
	4094 - PA
California:	4060 - ?
	4089 - 80 dots p/m
	4096.1 - dasher
	4096.3 - dasher
	4096.6 - dasher
	4097.2 - 55 dashes p/m
	4102.7 - W
	4106 - slow dasher
	5205.3 - 100 dots p/m
Colorado:	5678 - C0 tests
	8189 - C0 off air
	14416.5 - C0
Connecticut:	13558 - HI
Florida:	4109 - dasher old freq
	4110.8 - dasher new freq
	10236.7 - dasher
Oklahoma:	3450 - OK
	4077 - M0
	4097 - 28 dashes p/m "Muse"
Oregon:	8211.7 - OR

Day	Date	UTC	Freq.	E2K	Call / message
Mon	24-9	0601	6877	M03	ip
	24-9	0630	13573	E11	883/31 77777 77777 14966 ...
	24-9	0645	7407	M03	978/121 21679...

3-9	0815	9060	M03	554/33	77777 77777 10872 ...
10-9	0815	9060	M03	553/72	29487...
24-9	0815	9060	M03	553/72	29427 ...
3-9	0845	12153	M03	258/38	77777 77777 05252...
24-9	0845	12153	M03	252/00	
24-9	0846	12397	E11	ip	
24-9	0915	8196	E11	287/75	94064 ...
24-9	1200	11107	M03	978/121	21679...
3-9	1445	7663	M03	271/00	
10-9	1445	7663	M03	273/34	15013
24-9	1445	7663	M03	276/36	77627 ...
3-9	1545	7837	M03	143/35	78324...
10-9	1545	7837	M03	142/00	
3-9	1600	10429	E11	886/71	33333 33333 13525 ...
10-9	1600	10429	M03	886/71	33333 13525 ...
24-9	1600	10429	E11	883/31	77777 77777 14966 ...
3-9	1800	13424	E11	886/71	33333 33333 13525 ...
24-9	1800	13424	E11	883/31	77777 77777 14966 ...

Day	Date	UTC	Freq.	E2K	Call / message
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Tue	4-9	0715	11486	E11	382/00
	4-9	0745	10728	M03	505/89 93442...
	11-9	0745	10728	M03	503/00
	18-9	0745	10728	M03	506/36 77777 77777 88080..
	25-9	0840	12397	E11	197/75 40291 ...
	18-9	0847	12397	E11	ip
	18-9	0915	7798	M03	223/72 55847 ...
	18-9	0915	8196	E11	287/75 94064 ...
	18-9	1030	8759	E11	312/00
	4-9	1200	6524	E11	741/00
	18-9	1200	6524	E11	741/72 34405 ...
	4-9	1230	8544	E11	312/00
	11-9	1230	8544	E11	312/00
	18-9	1230	8544	E11	312/00

Day	Date	UTC	Freq.	E2K	Call / message
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Wed	5-9	0530	6877	M03	976/00
	19-9	0620	6877	M03	ip
	19-9	0630	7407	M03	976/121 21679...
	19-9	0730	6940	G11	509/72 50635 ...
	26-9	0730	6940	G11	509/72 50635 ...
	12-9	0745	6940	G11	ip
	26-9	0840	12397	E11	197/75 40291 ...
	12-9	0900	7377	S11	216/89 23204 ...
	19-9	0907	7377	S11	ip
	19-9	0915	8196	E11	287/75 94064 ...

12-9	0915	8196	E11	284/75	94064	...
19-9	0915	7798	M03	223/72	55847	...
19-9	0915	7798	M03	223/72	55847	...
26-9	0915	8196	E11	287/75	94064	...
19-9	1100	9610	E11	184/72	11111 11111	32982 ...
19-9	1130	16005	E11	886/71	33333 33333	13525 ...
12-9	1200	11107	M03	976/00		
19-9	1200	11107	M03	976/121	21679	...
12-9	1445	7663	M03	273/34	15013	...
19-9	1445	7663	M03	271/00	..	
19-9	1800	13424	E11	886/71	33333 33333	13525 ...
19-9	1900	5149	E11	330/22	17248	...
19-9	1930	12153	E11	330/11	83477	...
19-9	2000	12153	E11	330/11	96238	...

Day	Date	UTC	Freq.	E2K	Call / message

Thu	6-9	0715	11486	E11	382/00
	27-9	0715	11486	E11	389/82 11111 45054 ...
	27-9	0840	12397	E11	197/75 40291 ...
	6-9	0845	12397	M03	505/89 93442...
	13-9	0845	9576	E11	232/00
	13-9	0915	8196	E11	287/75 94064 ...
	27-9	0915	8196	E11	284/00
	27-9	1230	7984	S11	214/00
	6-9	1300	6433	E11	742/00

Day	Date	UTC	Freq.	E2K	Call / message

Fri	14-9	0815	9060	M03	553/72 29487 ...
	14-9	0845	9576	E11	232/00
	14-9	0918	8196	E11	287/75 94064 ...
	14-9	1030	8759	E11	312/00
	14-9	1045	7984	E11	509/74 50635 ...
	14-9	1200	11107	M03	976/00
	21-9	1200	11107	M03	976/121
	21-9	1230	8544	E11	312/00

Day	Date	UTC	Freq.	E2K	Call / message

Sat	22-9	1600	10429	E11	885/00
	22-9	1630	6252	E11	287/75 94064 ...

::: M12

Day	Date	UTC	Frequencies	Call / message

Mon	24-9	1300/20/40	14462/12188/10469	901 1
	10-9	170020/40	13386/12189/11491	725 1
	3-9	1800/20/40	9176/7931/6904	257 1
	10-9	1800/20/40	9176/7931/6904	257 1
	3-9	1900/20/40	10343/9264/8116	124 1
	10-9	1900/20/40	10343/9264/8116	124 1
	3-9	1930/50/2010	8047/6802/5788	463 1

Day	Date	UTC	Frequencies	Call / message
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Tue	11-9	1600720/40	13386/12189/11491	725 1
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Day	Date	UTC	Frequencies	Call / message
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Wed	19-9	1200/20/40	14984/13984	991 000
	12-9	1400/27/55	14462/12188/10469	901 1
	19-9	1400/27/55	14462/12188/10469	901 1
	5-9	1830/50/1910	12137/10837/9937	189 1
	12-9	1830/50	12137/10837	189 000
	5-9	1900/20/40	12218/10118/9118	211 1
	5-9	1930/50/2010	8047/6802/5788	463 1

Day	Date	UTC	Frequencies	Call / message
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Thu	6-9	1900/20/40	10343/9264/8116	124 1
	27-9	1900/20/40	10343/9264/8116	124 1
	27-9	1900/20/40	13582/12082/10382	503 1

Day	Date	UTC	Frequencies	Call / message
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Fri	14-9	1900/20/40	13582/12082/10382	503 1
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Day	Date	UTC	Frequencies	Call / message
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Sat	8-9	1900/20/40	12218/10118/9118	211 1
	22-9	1900/20/40	12218/10118/9118	211 1
	22-9	1900/20	13484/11627	464 000

Day	Date	UTC	Frequencies	Call / message
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Sun	9-9	1800/20/40	9176/7931/6904	257 1
	9-9	1830/50/1910	12137/10837/9937	189 1
	9-9	1900/20/40	9176/7931/6904	257 1
	9-9	1940/2000/20	10608/9056/7798	607 1

* LOGS SECTION *

2680	M22	CW 7-9-2007 1952 (AB2) 4XZ: Israeli Navy, Haifa "VVV DE 4XZ"
2743	E10	AM 7-9-2007 2000 (AB2) ULX2
3150	E10	AM 6-9-2007 2004 (AB2) message (YL voice)
3230	E10	AM 7-9-2007 2005 (AB2) in progress
3291	MX	CW 7-9-2007 2011 (AB2) Channel marker "P" Kaliningrad
3291	MX	CW 23-9-2007 0428 (Jon-FL) "P" SLHFB Russian Navy, Kaliningrad
3292.0	V02a	USB 18-9-2007 Tue 0200 (RCh) Buried in QRM, used bfo to filter. (YL/SS)
3292.0	V02a	AM 22-9-2007 Sat 0400 (RCh) Lots of QRN/QRM. Used ssb to copy.
3360	E10	AM 7-9-2007 1943 (AB2) in progress
3699.5	MX	CW 10-9-2007 Mon 2053 (AB) Channel marker "P" Kaliningrad
3699.5	MX	CW 23-9-2007 0416 (Jon-FL) "P" SLHFB Russian Navy, Kaliningrad
3700	M22	CW 26-9-2007 1637 (BCI) 4XZ - Haifa ISR
3756	S32	CW 10-9-2007 Mon 2046 (AB) The Pip
3837	MX	CW 10-9-2007 Mon 2045 (AB) Channel marker "P" Kaliningrad
3837	MX	CW 27-9-2007 Thu 2039 (AB) Channel marker "P" Kaliningrad + 5FG msgs
3846	M89	CW 6-9-2007 1637 (TI) v b7tz b7tz b7tz de 8pnx 8pnx
3846.0	M89	CW 6-9-2007 Thu 1637 (TI) b7tz b7tz b7tz de 8pnx 8pnx v, //4928
3883	M18	CW 9-9-2007 Sun 1852 (FN) 0055 0055 0055 ...
3883	M18	CW 10-9-2007 Sun 2036 (AB) Russian Mil station sending time strings as UTC+5 hrs. "0136 0137 0138" etc
4028.0	V02a	USB 14-9-2007 Fri 0517 (RCh) Awful signal. Lots of hum. ? data packets at 0523, 0528, and 0539 utc.
4028.0	V02a	USB 21-9-2007 Fri 0117 (RCh) Very weak signal, voice was there but unable to copy.
4028.0	V02a	AM 22-9-2007 Sat 0316 (RCh) Joined in progress. (YL/SS)

4028.0	V02a	AM 29-9-2007 Sat 0300 (RCh) A xxxxx 77068 85208 ? polytone signal on side band of transmission
4114	E10	AM 30-9-2007 2141 (S&D) HNCF
4115	E10	AM 25-9-2007 2236 (S&D) HNCF
4141	M01b	CW 4-9-2007 Tue 1820 (FN) 210 754 22
4141	M01B	CW 4-9-2007 Tue 1820 (HFD) 210-754/22=25833, //4848
4153	XSL	FSK 6-9-2007 1632 (TI) Japanese navy (slot machine)
4153.0	XSL	USB 6-9-2007 Thu 1632 (TI)
4231.5	XSL	USB 6-9-2007 Thu 1632 (TI)
4231.5	XSL	FSK 6-9-2007 1632 (TI) Japanese navy (slot machine)
4291	XSL	FSK 6-9-2007 1633 (TI) Japanese navy (slot machine)
4291.0	XSL	USB 6-9-2007 Thu 1633 (TI)
4325	S28	AM 22-9-2007 2015 (RP) Buzzer // 4625 kHz
4325.0	MX	CW 6-9-2007 Thu 1649 (TI) channel marker R
4325.9	MX	CW 6-9-2007 1649 (TI) Channel marker "R"
4325.9	MX	CW 10-9-2007 Mon 2059 (AB) Channel marker "R" Izhevsk
4330	M22	CW 7-9-2007 2057 (BCI) 4XZ - Israeli Navy, Haifa "VVV DE 4XZ"
4331	M22	CW 6-9-2007 1651 (TI) vvv de 4xz 4xz bt bt
4331	M22	CW 22-9-2007 2034 (CWS) 4XZ: Israeli Navy Haifa ISR
4331	M22	CW 27-9-2007 Thu 1648 (AB) 4XZ. Israeli Navy, Haifa. VVV DE 4ZX
4331.0	M22	CW 6-9-2007 Thu 1651 (TI)
4454	S21	USB 4-9-2007 Tue 1842 (HFD) only carrier, //4854
4454	S21	USB 20-9-2007 Thu 1842 (HFD) only carrier, //4854
4454	S21	USB 25-9-2007 Tue 1842 (HFD) 454-418/72=#0175
4555	M45	CW 4-9-2007 Tue 1802 (HFD) 555-418/32=90175, //4955
4557	M01b	CW 6-9-2007 Thu 1808 (FN) i.p., ends: == 418 418 32 32 000
4557	M01b	CW 13-9-2007 Thu 1800 (FN)

		555 418 32
4557	M45	CW 13-9-2007 Thu 1800 (FN)
		555 418 32
4557.7	MX	CW 10-9-2007 Mon 2102 (AB)
		Cluster beacon "D"
4557.7	MX	CW 22-9-2007 2040 (CWS)
		D: Russian Mil ch marker
4557.7	MX	CW 23-9-2007 0420 (Jon-FL)
		"D" SLHFB Russian Navy, Sevastopol
4557.9	MX	CW 10-9-2007 Mon 2102 (AB)
		Cluster beacon "S"
4590	M01b	CW 3-9-2007 Mon 1816 (FN)
		ip, ends == 137 137 31 31 000
4625	S28	AM 6-9-2007 1631 (TI)
		Buzzer
4625	S28	AM 10-9-2007 Mon 2047 (AB)
		The Buzzer
4625	S28	AM 22-9-2007 2015 (RP)
		Buzzer // 4325 kHz
4848	M01b	CW 4-9-2007 Tue 1820 (FN)
		210 754 22
4848	M01B	CW 4-9-2007 Tue 1820 (HFD)
		210-754/22=25833, //4141
4854	S21	USB 4-9-2007 Tue 1842 (HFD)
		only carrier, //4454
4854	S21	USB 20-9-2007 Thu 1842 (HFD)
		only carrier, //4454
4870.0	M03	CW 19-9-2007 Wed 0730 (HFD)
		041/00
4905	M01B	CW 6-9-2007 Thu 2032 (HFD)
		302-137/31=45593, //5735
4905	M01B	CW 13-9-2007 Thu 2032 (HFD)
		302
4912	M01a	CW 19-9-2007 Wed 1845 (FN)
		call 428, IDs: 84111, 85454, 84827, 84449
4928	M89	CW 6-9-2007 1637 (TI)
		v b7tz b7tz b7tz de 8pnx 8pnx
4928.0	M89	CW 6-9-2007 Thu 1639 (TI)
		b7tz b7tz b7tz de 8pnx 8pnx v, //3846
4939	E07	AM 27-9-2007 Thu 0500 (HFD)
		994/0
4955	M45	CW 4-9-2007 Tue 1802 (HFD)
		555-418/32=90175, //4555
4957	M45	CW 20-9-2007 1800 (MUK)
		555 555 555 Ended with 41
4978	S06	AM 8-9-2007 Sat 1930 (FN)
		513 00000
4991	M01B	CW 3-9-2007 Mon 2010 (HFD)

		298, //5336
5020	M01	CW 4-9-2007 Tue 2000 (HFD) 463 hand sent
5117.0	V02a	AM 17-9-2007 Mon 0402 (RCh) Very hard to copy, lots of QRM. (YL/SS)
5120	E06	AM 27-9-2007 Thu 2200 (HFD) 960/0
5149	E11	USB 18-9-2007 Tue 2050 (HFD) 338/10
5149	E11	USB 19-9-2007 Wed 1900 (FN) 330/22 attn 17248 65538...gr 5,6 and 7 are zeros
5149	E11	USB 25-9-2007 Tue 2050 (HFD) 338/12=89934 76922
5153	M12	VW 18-9-2007 2020 (RiN) "924" 000
5153.7	MX	CW 10-9-2007 Mon 2102 (AB) Cluster beacon "D"
5153.7	MX	CW 23-9-2007 0435 (Jon-FL) "D" SLHFB Russian Navy, Sevastopol
5186	E06	AM 6-9-2007 Thu 2030 (HFD) only carrier, no 891
5186	E06	AM 20-9-2007 Thu 2030 (HFD) only carrier, no 891
5192.5	M51	CW 30-9-2007 1713 (MPJ) French Mil "NR 66 S 27 19:19:14 1984 =
5201	M21	CW 30-9-2007 1758 (MPJ) Russian Air Defence (PVO) 1758 CW = 99
5206	M51	CW 30-9-2007 1713 (MPJ) French Mil "NR 66 S 27 19:19:14 1984 =
5252	G06	AM 1-9-2007 Sat 2200 (HFD) 843/0
5262	M51	CW 5-9-2007 0550 (Jon-FL) French mil CW training
5336	M01B	CW 3-9-2007 Mon 2010 (HFD) 298, //4991
5410	M14	CW 11-9-2007 Tue 1900 (FN) ID missed again ends: == 367 367 54 54 00000
5410	M14	CW 13-9-2007 Thu 1900 (FN) 128 869 2 128 649 57
5410	M14	CW 13-9-2007 Thu 1900 (FN) 128 869 2 128 649 57
5442	M01B	CW 28-9-2007 Fri 2102 (HFD) 271-137/31=45593 hand sent
5465.9	MX	CW 10-9-2007 Mon 2103 (AB) Channel marker "R" Izhevsk
5470	S06	AM 21-9-2007 Fri 0610 (HFD) 934
5474	M01	CW 4-9-2007 Tue 1800 (HFD)

463-628/30=05263

5727	M89	CW 11-9-2007 1455 (QT) V T3AP T3AP T3AP de QF3K QF3K
5735	M01B	CW 6-9-2007 Thu 2032 (HFD) 302-137/31=45593, //4905
5758	XPA	AM 11-9-2007 Tue 2040 (HFD) msg
5759.0	M08a	MCW 2-9-2007 Sun 0009 (FAN)
5800.0	M08a	AM 16-9-2007 Sun 1000 (RCh) Very strong signal.
5800.0	M08a	AM 20-9-2007 Thu 1000 (RCh) Very strong signal.
5800.0	M08a	AM 25-9-2007 Tue 1009 (RCh) Very strong signal.
5883.0	V02a	AM 13-9-2007 Thu 0740 (RCh) End of broadcast. Carrier off at 0754.
5898.0	V02a	AM 13-9-2007 Thu 0800 (RCh) A 45261 03376 32688
5898.0	V02a	AM 18-9-2007 Tue 0800 (RCh) Superb reception, joined in progress. (YL/SS)
5898.0	V02a	MCW 24-9-2007 Mon 0001 (FAN) Started about four minutes late
5898.0	V02a	AM 24-9-2007 Mon 0008 (FAN) New voice
5939	E07	AM 27-9-2007 Thu 0520 (HFD) 994/0
5982	MX	CW 1-9-2007 0716 (ML4) Channel marker "P" Kaliningrad
6210	E10	AM 29-9-2007 1151 (MrDXer) FDY4 (or FDU4??)
6252	E11	AM 2-9-2007 1630 (MUK) 287/00
6252	E11	USB 3-9-2007 Mon 1630 (HFD) 287/00
6252	E11	AM 4-9-2007 1630 (MUK) 382/00
6252	E11	AM 9-9-2007 1630 (MUK) 287/00
6252	E11	USB 16-9-2007 1630 (MUK) 287/75
6252	E11	USB 16-9-2007 1640 (FC) Number Station E11 "Oblique"
6252	E11	USB 18-9-2007 1630 (RiN) 287/75 94064 48209 71633 93135 etc
6252	E11	USB 22-9-2007 Sat 1630 (FN) 287/75 attn 94064 42794...
6252	E11	USB 23-9-2007 1631 (ANS) 287/75

6252	E11	USB 26-9-2007 1630 (MUK) 287/75
6252	E11	USB 27-9-2007 Thu 1630 (AB) 287/00
6252	E11	USB 30-9-2007 1630 (ANS) 287/00
6261	M01	CW 8-9-2007 Sat 1500 (HFD) 463
6340	S06	AM 21-9-2007 Fri 0600 (HFD) 0610
6379	M22	CW 6-9-2007 2028 (AB2) 4XZ Haifa
6417	XSL	FSK 6-9-2007 1633 (TI) Japanese navy (slot machine)
6417	XSL	AM 17-9-2007 1042 (Jon-FL) Japanese Slot Machine
6417.0	XSL	USB 6-9-2007 Thu 1633 (TI)
6433	E11	USB 6-9-2007 Thu 1300 (FN) 742/00
6445	XSL	FSK 6-9-2007 1633 (TI) Japanese navy (slot machine)
6445.0	XSL	USB 6-9-2007 Thu 1633 (TI)
6464	S06	AM 18-9-2007 1600 (RiN) "537" 821 ? (very weak)
6508	M01	CW 9-9-2007 Sun 0700 (HFD) 463
6508	M01	CW 23-9-2007 Sun 0700 (HFD) 463
6524	E11	USB 4-9-2007 Tue 1200 (FN) 741/00
6524	E11	USB 18-9-2007 1200 (RiN) 741/72 34505 50346 30599 85266 etc
6524	E11	USB 18-9-2007 Tue 1200 (FN) 741/72 attn 34505 50346 ...
6529.0	V21	USB 17-9-2007 Mon 1304 (Jon-FL) babbler, very weak.
6575	E10	AM 25-9-2007 2236 (S&D) HNCF
6575	E10	AM 30-9-2007 2130 (S&D) HNC
6768	V02a	AM 10-9-2007 0437 (Vambo) in progress
6768.0	V02a	AM 21-9-2007 Fri 0100 (RCh) A 25327 67680 76804 (YL/SS)
6785.0	M08a	MCW 2-9-2007 Sun 0659 (AgBr) Signal started at 0652
6785.0	M08a	MCW 9-9-2007 Sun 0700 (AgBr)
6786.0	M08a	AM 23-9-2007 Sun 0700 (RCh)

		Strong signal. ? ploytones over M8a signal on 6786 khz ssb
6788	S06	AM 8-9-2007 Sat 1600 (HFD) 754/0
6802	M12	CW 3-9-2007 Mon 1950 (FN) 463 1 8728 59
6805	E06	AM 19-9-2007 Wed 1915 (FN) 904 00000
6825.0	M08a	MCW 2-9-2007 Sun 0608 (AgBr) Signal started at 0604
6830	E06	AM 27-9-2007 Thu 2100 (HFD) 960/0
6830	S06	AM 3-9-2007 Mon 1610 (HFD) 176-253/8=67373
6835	G06	AM 3-9-2007 Mon 2000 (HFD) 308-645/127=81695
6835	G06	AM 4-9-2007 2023 (FC) in progress
6854.0	M08a	USB 20-9-2007 Thu 2200 (RCh)
6855	V02	AM 12-9-2007 2100 (PP1) Atencion 44430 77841 73446 followed by
6855	V02a	AM 20-9-2007 2135 (MT2) Unusual transmission. See Voice sectio
6855.0	V02a	AM 30-9-2007 Sun 2100 (JME) In progress. Spanish XY reading numbers. Very strong signal.
6877	M03	CW 5-9-2007 Wed 0530 (FN) 976/00
6877	M03	CW 24-9-2007 Mon 0602 (FN) ip
6879.0	M03	CW 24-9-2007 Mon 0604 (FMB) (.i.p) = 978/121(R2) = 21671 00044 ...(qrm)
6888.5	M51	CW 5-9-2007 0506 (Jon-FL) French mil CW training
6904	M12	CW 3-9-2007 Mon 1840 (FN) 257 1 8091 122
6904	M12	CW 9-9-2007 Sun 1840 (FN) 257 1 3044 110
6904	M12	CW 9-9-2007 Sun 1940 (FN) 257 1 4235 65
6904	M12	CW 9-9-2007 1940 (PP1) 257 257 257 1 ends 000
6904	M12	CW 10-9-2007 Mon 1840 (FN) 257 1 5419 110
6904	M12	CW 10-9-2007 1940 (PP1) 257 257 257 1 ends 000
6904	M12	CW 18-9-2007 2040 (RiN) "257" 1 6204 49 00909 etc
6925	E06	AM 5-9-2007 1800 (MUK)

		410 789/36 + 897/25
6930	S06	AM 18-9-2007 Tue 0710 (HFD) 374-861/5=28824
6930	S06	AM 18-9-2007 0715 (RiN) "374" 861 5 28824 57830 98357 15558 10044
6940	G11	USB 12-9-2007 0745 (FN) Ended: 00000 00000 Ende.
6940	G11	USB 19-9-2007 Wed 0730 (FN) 509/72 achtung 50635 43852... rpt. of 14.9. 1045z.
6940	G11	AM 19-9-2007 0740 (MUK) German ???/72
6940	G11	AM 26-9-2007 0730 (MUK) 509/72
6940	G11	USB 26-9-2007 Wed 0730 (FN) 509/72 Achtung 50635 43852...
6950	E06	AM 2-9-2007 1930 (MUK) 690/00000
6950	E06	AM 2-9-2007 Sun 1930 (HFD) 690/0
6950	E06	AM 9-9-2007 1930 (MUK) 690 00000
6950	E06	AM 23-9-2007 Sun 1930 (HFD) 690/0
6959	E03	USB 10-9-2007 1700 (PP1) LP id 67476
6959	E03	USB 21-9-2007 2000 (PP1) Lincolnshire Poacher id "12611" messag
6959.0	E03	USB 5-9-2007 Wed 2000 (DC) 89290 Repeated followed by message /noise just readable
6959.0	E03	USB 6-9-2007 Thu 2000 (DC) 41369 with message good signal
6959.0	E03	USB 6-9-2007 Thu 2130 (DC) in progress good signal
6959.0	E03	USB 7-9-2007 Fri 2100 (DC) 4139 with message readable
6971	XPA	AM 11-9-2007 Wed 2020 (HFD) msg
6985	E06	AM 11-9-2007 Tue 2100 (HFD) 701/0
6985	E06	AM 11-9-2007 2100 (MUK) 701 00000
6986	E10	AM 4-9-2007 1930 (MUK) ART
7320	S06	AM 18-9-2007 Tue 0800 (HFD) 418-927/6=51054
7335	S06	AM 19-9-2007 0730 (MUK) 745 980/6
7377	S11	USB 12-9-2007 Wed 0900 (FN)

		216/89 23204...
7377	S11	USB 19-9-2007 Wed 0900 (FN) i.p. missed call
7385	S06	AM 6-9-2007 Thu 1240 (HFD) 314 weak
7385	S06	AM 27-9-2007 Thu 1242 (AB) 314 314 314 etc. Heavy QRM
7407	M03	CW 19-9-2007 Wed 0630 (FN) 976/121 == 21679 00044
7407	M03	CW 24-9-2007 Mon 0645 (FN) 978/121 == 21679 00044
7516	X06	AM 18-9-2007 2030 (RiN) scale 465132 and ended at 2037
7526	E07	AM 6-9-2007 Thu 2030 (HFD) 358/0
7526	E07	AM 27-9-2007 Thu 2030 (HFD) 358/0
7527	X06	AM 18-9-2007 2010 (RiN) scale 164532 and ended at 2014
7663	M03	CW 3-9-2007 Mon 1445 (FN) 271/00
7663	M03	CW 5-9-2007 Wed 1445 (HFD) 271/00
7663	M03	CW 10-9-2007 Mon 1445 (FN) 273/34 == 1501362785 == 000
7663	M03	CW 12-9-2007 Wed 1445 (FN) 273/34 == 15013 60935 ...
7663	M03	CW 19-9-2007 Wed 1445 (FN) 271/00
7663	M03	CW 24-9-2007 Mon 1445 (FN) 276/36 == 77627 03776 ...
7681.0	V02a	USB 23-9-2007 Sun 0813 (RCh) 2 data transmissions, ? HAM-DRM, no voice noted. Old V2a sked.
7690	E10	AM 7-9-2007 1958 (BCI) EZI2
7726.0	M08a	CW 24-9-2007 Mon 1000 (RCh) Weak signal.
7726.0	M08a	USB 26-9-2007 Wed 1000 (RCh) Good signal with occasional fade.
7772	M03	CW 3-9-2007 Mon 0900 (HFD) 976/00
7795	S06	AM 21-9-2007 Fri 0600 (HFD) 196
7798	M03	CW 12-9-2007 Wed 0915 (FN) 223/72 == 55847 ...61753 00000 00000 == 000
7798	M03	CW 18-9-2007 Tue 0915 (HFD) 223/72

7798	M03	CW 18-9-2007 Tue 0915 (FN) 223/72 == 55847 42794...
7798	M03	CW 19-9-2007 Wed 0915 (FN) 223/72 == 55847 42794...
7798	M12	CW 6-9-2007 2031 (AB2) 5FGs
7820	X06	AM 18-9-2007 1945 (RiN) scale 463125 and ended at 1953
7837	M03	CW 3-9-2007 Mon 1545 (FN) 143/35 == 78324 30531 ...
7837	M03	CW 10-9-2007 Mon 1545 (FN) 142/00
7887	E03	USB 3-9-2007 2100 (PP1) LP id 52510
7931	M12	CW 3-9-2007 Mon 1820 (FN) 257 1 8091 122
7931	M12	CW 9-9-2007 Sun 1820 (FN) 257 1 3044 110
7931	M12	CW 9-9-2007 Sun 1920 (FN) 257 1 4235 65
7931	M12	CW 10-9-2007 Mon 1820 (FN) 257 1 5419 110
7984	G11	USB 14-9-2007 Fri 1045 (FN) 509/74 Achtung 50635 43854 ...
7984	G11	AM 21-9-2007 1103 (HD) clg 509/72 rptd, 50635 etc, Ende 1118
7984	S11	USB 27-9-2007 Thu 1230 (FN) 214/00
7984	S11A	USB 6-9-2007 Thu 1030 (HFD) 216/89=1#105
7984	S11a	AM 27-9-2007 Thu 1030 (AB) 214/00
8009.0	M08a	USB 17-9-2007 Mon 2259 (RCh)
8009.0	M08a	USB 20-9-2007 Thu 2200 (RCh)
8040	S06	AM 3-9-2007 Mon 1600 (HFD) 176-253/8=67373
8046	M89	CW 6-9-2007 2159 (ALF) V B7TZ B7TZ B7TZ de 8PNX 8PNX
8047	M12	CW 3-9-2007 Mon 1930 (FN) 463 1 8728 59
8047	M12	CW 5-9-2007 Wed 1930 (FN) 463 1 4062 65
8110	E06	AM 18-9-2007 1400 (RiN) "903" 00000
8116	M12	CW 3-9-2007 Mon 1940 (FN) 124 1 3394 70
8116	M12	CW 6-9-2007 Thu 1940 (FN) 124 1 3422 60

8116	M12	CW 10-9-2007 Mon 1940 (FN) 124 1 4257 53
8116	M12	CW 27-9-2007 Thu 1940 (FN) 124 1 7722 55
8131	M14	CW 7-9-2007 Fri 1900 (FN) 309 00000
8150	E06	AM 11-9-2007 Wed 2000 (HFD) 701/0
8150	E06	AM 11-9-2007 2000 (MUK) 701 00000
8165	G06	AM 4-9-2007 Tue 1900 (FN) 308 645 127
8170	G06	AM 3-9-2007 Mon 1900 (HFD) 308-645/127=81695
8170	S06	AM 5-9-2007 Wed 1730 (HFD) 635-435/62=71254
8170	S06	AM 18-9-2007 1730 (RiN) "635" repeat
8175	X06	AM 18-9-2007 2000 (RiN) scale 543126 and ended at 2002
8180	E06	AM 2-9-2007 1830 (MUK) 690/00000
8180	E06	AM 2-9-2007 Sun 1830 (HFD) 690/0
8180	E06	AM 9-9-2007 1830 (MUK) 690 00000
8180	E06	AM 23-9-2007 Sun 1830 (HFD) 690/0
8196	E11	USB 3-9-2007 Mon 0915 (HFD) 284/00
8196	E11	USB 12-9-2007 Wed 0915 (FN) 284/75 attn 94064
8196	E11	AM 13-9-2007 1023 (DS9) 287/75
8196	E11	USB 14-9-2007 Fri 0918 (FN) 287/75 attn 94064 48029 ...
8196	E11	AM 16-9-2007 0915 (MUK) ???:75
8196	E11	USB 18-9-2007 Tue 0915 (FN) 287/75 att 94064 42794...
8196	E11	USB 19-9-2007 Wed 0915 (FN) 287/75 attn 94064 42794... rpt. of 18.9.
8196	E11	USB 20-9-2007 0915 (MUK) 287/75
8196	E11	USB 26-9-2007 Wed 0915 (FN) 287/75 attn 94064 42794...
8196	E11	USB 27-9-2007 Thu 0915 (FN) 284/00

8270	S06	AM 5-9-2007 Wed 1910 (HFD) 371-890/5=56423
8313	XSL	FSK 6-9-2007 1634 (TI) Japanese navy (slot machine)
8313.0	XSL	USB 6-9-2007 Thu 1634 (TI)
8438.3	M89	CW 9-9-2007 2000 (QT) V T3AP T3AP T3AP de QF3K QF3K
8544	E11	USB 4-9-2007 Tue 1230 (FN) 312/00
8544	E11	AM 7-9-2007 1230 (MUK) 312/00
8544	E11	USB 11-9-2007 Tue 1230 (HFD) 312/00
8544	E11	USB 18-9-2007 Tue 1230 (FN) 312/00
8544	E11	USB 21-9-2007 Fri 1230 (FN) 312/00
8588	XSL	FSK 6-9-2007 1634 (TI) Japanese navy (slot machine)
8588.0	XSL	USB 6-9-2007 Thu 1634 (TI)
8650	S06	AM 6-9-2007 Thu 1230 (HFD) 314 weak
8695	S06	AM 21-9-2007 Fri 0610 (HFD) 196
8695	S06	AM 28-9-2007 Fri 0610 (AB) 196 very noisy
8703.5	XSL	USB 6-9-2007 Thu 1634 (TI)
8703.5	XSL	FSK 6-9-2007 1634 (TI) Japanese navy (slot machine)
8759	E11	AM 7-9-2007 1030 (MUK) 312/00
8759	E11	USB 14-9-2007 Fri 1030 (FN) 312/00
8759	E11	USB 18-9-2007 1030 (RiN) 312/00
8759	E11	USB 18-9-2007 Tue 1030 (FN) 312/00
8759	E11	USB 18-9-2007 Tue 1030 (HFD) 312/00
9040	PSK31	SK01 23-9-2007 0900 (WES) Message ended at 0905
9040.0	V02a	AM 18-9-2007 Tue 1000 (RCh) A 45263 07852 65160
9056	M12	CW 9-9-2007 Sun 2005 (FN) 607 1 862 317
9060	M03	CW 3-9-2007 Mon 0815 (HFD) 554/33=77777 77777 08872
9060	M03	CW 10-9-2007 Mon 0815 (FN)

553/72 == 29487 83882000000 000000 == 000
 9060 M03 CW 14-9-2007 Fri 0815 (FN)
 553/72 == 29487 83882 ...
 9060 M03 CW 24-9-2007 Mon 0815 (FN)
 553/72 == 29487 93882...
 9060 M03c CW 3-9-2007 Mon 0815 (FN)
 554/33 == 77777 77777 10872...
 9069 E07 AM 5-9-2007 Wed 2020 (HFD)
 105/0
 9101 XPA AM 11-9-2007 Tue 2000 (HFD)
 msg
 9101 XPA AM 18-9-2007 2000 (RiN)
 "197" 000 00938 00001 00000 10140
 9118 M12 CW 5-9-2007 Wed 1940 (FN)
 211 1 456 203
 9118 M12 CW 8-9-2007 Sat 1940 (FN)
 211 1 2972 165
 9118 M12 CW 22-9-2007 Sat 1940 (FN)
 211 1 639 269
 9130 E10 AM 9-9-2007 1039 (FC)
 in progress
 9145 S06 AM 24-9-2007 Mon 1200 (HFD)
 831-297/6=89544
 9176 M12 CW 3-9-2007 Mon 1800 (FN)
 257 1 8091 122
 9176 M12 CW 9-9-2007 Sun 1800 (FN)
 257 1 3044 110
 9176 M12 CW 9-9-2007 Sun 1900 (FN)
 257 1 4235 65
 9176 M12 CW 10-9-2007 Mon 1800 (FN)
 257 1 5419 110
 9220 S06 AM 5-9-2007 Wed 1900 (HFD)
 371-890/5=56423
 9225 S06 AM 6-9-2007 Thu 1000 (HFD)
 895-270/6=975#9
 9225 S06 AM 18-9-2007 0755 (RiN)
 "480" 956 41 81102 10840 21472 etc
 9225 S06 AM 21-9-2007 Fri 0950 (FN)
 calling 480
 9235 X06 AM 18-9-2007 1940 (RiN)
 scale 156234 and ended at 1950
 9238 SK01 PSK31 1-9-2007 1000 (WES)
 DGI
 9238 SK01 PSK31 2-9-2007 1000 (WES)
 DGI
 9240.0 V02a AM 17-9-2007 Mon 1000 (RCh)
 A 45262 78372 11852 (YL/SS)
 9240.0 V02a AM 19-9-2007 Wed 1003 (RCh)

		Missed call-up, signal irregular. (YL/SS)
9240.0	V02a	AM 24-9-2007 Mon 1000 (RCh) A 15013 53436 44266 (YL/SS)
9240.0	V02a	AM 25-9-2007 Tue 1000 (RCh) In progress, missed call-up.
9240.0	V02a	AM 26-9-2007 Wed 1000 (RCh) Very weak signal with fade.
9250	E06	AM 26-9-2007 Wed 1500 (HFD) 523
9255	S06	AM 12-9-2007 Wed 0830 (HFD) 471
9264	M12	CW 3-9-2007 Mon 1920 (FN) 124 1 3394 70
9264	M12	CW 6-9-2007 Thu 1920 (FN) 124 1 3422 60
9264	M12	CW 10-9-2007 Mon 1920 (FN) 124 1 4257 53
9264	M12	CW 27-9-2007 Thu 1920 (FN) 124 1 7722 55
9357	XPA	AM 18-9-2007 Tue 0600 (HFD) msg
9387	E07	AM 27-9-2007 Thu 2010 (HFD) 358/0
9450.0	E25	AM 29-9-2007 Sat 1215 (AnEur) Repeating "830 13"
9576	E11	USB 6-9-2007 Thu 0845 (HFD) 239/33
9576	E11	USB 14-9-2007 Fri 0845 (FN) 232/00
9576	E11	USB 27-9-2007 0845 (AB) 234/30
9576	E11	USB 28-9-2007 0845 (AB) 234/30 77777 88811 etc.
9610	E11	USB 5-9-2007 Wed 1100 (HFD) 186/204
9610	E11	USB 19-9-2007 Wed 1100 (FN) 184/72 attn 11111 11111 32982...
9610	E11	USB 26-9-2007 1100 (MUK) 184/72
9840	S06	AM 18-9-2007 Tue 0810 (HFD) 418-927/6=51054
9937	M12	CW 5-9-2007 Wed 1910 (FN) 189 1 985 127
9937	M12	CW 9-9-2007 Sun 1900 (FN) 189 1 985 127
10116	E07	AM 2-9-2007 Sun 1740 (HFD) 201:1-324/119= 32759, weak
10116	E07	AM 2-9-2007 1740 (MUK)

		201 324/119
10116	E07	AM 9-9-2007 1740 (MUK)
		201-1 324/119
10118	M12	CW 5-9-2007 Wed 1920 (FN)
		211 1 456 203
10118	M12	CW 8-9-2007 Sat 1920 (FN)
		211 1 2972 165
10118	M12	CW 22-9-2007 Sat 1920 (FN)
		211 1 639 269
10128	E07	AM 5-9-2007 Wed 2000 (HFD)
		105/0
10167	E07	AM 21-9-2007 Fri 1343 (FN)
		i.p., ends at 1347z with: 95533 000 000
10343	M12	CW 3-9-2007 Mon 1900 (FN)
		124 1 3394 70
10343	M12	CW 6-9-2007 Thu 1900 (FN)
		124 1 3422 60
10343	M12	CW 10-9-2007 Mon 1900 (FN)
		124 1 4257 53
10343	M12	CW 27-9-2007 Thu 1900 (FN)
		124 1 7722 55
10370	E06	AM 18-9-2007 1300 (RiN)
		"903" 00000
10382	M12	CW 14-9-2007 Fri 1940 (FN)
		503 1 348 41
10382	M12	CW 27-9-2007 Thu 1940 (FN)
		503 1 396 77
10420	S06	AM 18-9-2007 Tue 0810 (HFD)
		352-819/6=55154
10429	E11	USB 3-9-2007 Mon 1600 (FN)
		886/71 attn 33333 33333 13525 ...ends 33333 00071 00071
10429	E11	USB 22-9-2007 Sat 1600 (FN)
		885/00
10429	E11b	USB 24-9-2007 Mon 1600 (FN)
		883/31 attn 77777 77777 14966...
10429	E11b	USB 26-9-2007 1600 (MUK)
		883/31
10429	M03	CW 10-9-2007 Mon 1600 (FN)
		886/71 == 33333 1352535535 33333 == 000
10469	M12	CW 12-9-2007 Wed 1455 (FN)
		901 1 485 321
10469	M12	CW 19-9-2007 Wed 1440 (FN)
		901 1 237 205
10608	M12	CW 9-9-2007 Sun 1940 (FN)
		607 1 862 317
10728	M03	CW 4-9-2007 Tue 0745 (FN)
		505/89 == 9344290767 == 000
10728	M03	CW 11-9-2007 Tue 0745 (FN)

		503/00
10728	M03	CW 18-9-2007 Tue 0745 (HFD) 506/36=77777 77777 88080
10728	M03c	CW 18-9-2007 Tue 0745 (FN) 506/36 == 77777 77777 88080 86280...
10728	M03c	CW 18-9-2007 0745 (RiN) 506/36 77777 77777 88080 86280 etc
10837	M12	CW 5-9-2007 Wed 1850 (FN) 189 1 985 127
10837	M12	CW 9-9-2007 Sun 1850 (FN) 189 1 985 127
10837	M12	CW 12-9-2007 Wed 1850 (FN) 189 000
10871.7	MX	CW 15-9-2007 0924 (QT) Cluster beacon "D"
10871.7	MX	CW 20-9-2007 1600 (ML4) Cluster beacon "D"
10871.9	MX	CW 15-9-2007 0924 (QT) Cluster beacon "S"
10940	E06	AM 26-9-2007 Wed 1400 (HFD) 523
10950	S06	AM 6-9-2007 Thu 0900 (HFD) 167-404/9=87669
10950	S06	AM 27-9-2007 Thu 0900 (AB) 167 408 msg 000000
10956	XPA	AM 18-9-2007 Tue 0620 (HFD) msg
10960	E06	AM 5-9-2007 1505 (MUK) 457/00000
10960	E06	AM 5-9-2007 Wed 1505 (HFD) 457/0
10989	M01c	CW 6-9-2007 0713 (FN) i.p., 82233 333 82233 111 999 111 200 10 = 5FGx10 = 200 10 111 = ...ends 111 000
11020	S06	AM 5-9-2007 Wed 1630 (HFD) 635-435/62=71254
11020	S06	AM 18-9-2007 1630 (RiN) "635" 409 71 14713 27070 10434 etc (NO 8s or 9s)
11040	S06	AM 12-9-2007 Wed 0850 (HFD) 328
11062	E07	AM 2-9-2007 1720 (MUK) 201 324/119
11062	E07	AM 2-9-2007 Sun 1720 (HFD) 201:1-324/119= 32759
11062	E07	AM 9-9-2007 1720 (MUK) 201-1 324/119
11107	M03	CW 12-9-2007 Wed 1200 (FN) 976/00

11107	M03	CW 14-9-2007 Fri 1200 (FN) 976/00
11107	M03	CW 19-9-2007 Wed 1200 (FN) 976/121 == 21679 00044... rpt of 0630z
11107	M03	CW 21-9-2007 Fri 1200 (FN) 976/121
11107	M03	CW 24-9-2007 Mon 1200 (FN) 978/121 ==21679 00044...
11170.0	M23	CW 15-9-2007 Sat 1704 (JPL) 555 (R10) (Sat) New weekend format with long pause between numbers.
11460	S06	AM 24-9-2007 Mon 1210 (HFD) 831-297/6=89544
11486	E11	USB 4-9-2007 Tue 0715 (FN) 382/00
11486	E11	AM 4-9-2007 0715 (MUK) 382/00
11486	E11	USB 6-9-2007 Thu 0715 (FN) 382/00
11486	E11	USB 13-9-2007 Thu 0715 (HFD) 382/32
11486	E11	USB 18-9-2007 0715 (RiN) 389/82 11111 65054 71243 85015 etc
11486	E11	USB 20-9-2007 0715 (MUK) 389/82 11111
11486	E11	USB 27-9-2007 Thu 0715 (FN) 389/82 attn 11111 45054 71243...
11486	E11	USB 27-9-2007 Thu 0732 (AB) in progress
11491	M12	CW 10-9-2007 Mon 1740 (FN) 725 1 1382 64
11491	M12	CW 11-9-2007 Tue 1640 (FN) 725 1 6149 63
11515	S06	AM 6-9-2007 Thu 1010 (HFD) 895-270/6=975#9
11515	S06	AM 27-9-2007 Thu 1010 (AB) 895 270 77 msg 77 000000
11545	E03	AM 5-9-2007 1500 (MUK) 02710
11627	M12	CW 22-9-2007 Sat 1920 (FN) 464 000
11635	S06	AM 18-9-2007 Tue 0800 (HFD) 352-819/6=55154
12063.0	E03	USB 30-9-2007 Sun 1800 (JME) Lincolnshire Poacher. In progress.
12082	M12	CW 14-9-2007 Fri 1920 (FN) 503 1 348 41
12082	M12	CW 27-9-2007 Thu 1920 (FN)

		503 1 396 77
12137	M12	CW 5-9-2007 Wed 1830 (FN) 189 1 985 127
12137	M12	CW 9-9-2007 Sun 1830 (FN) 189 1 985 127
12137	M12	CW 12-9-2007 Wed 1830 (FN) 189 000
12153	E11	USB 19-9-2007 Wed 1930 (FN) 330/11 attn 83477 31466...gr 5,6 and 7 are zeros
12153	E11	USB 19-9-2007 Wed 2000 (FN) 330/11 attn 96238 58961...gr 5,6 and 7 are zeros
12153	E11	USB 26-9-2007 1840 (MUK) 334/23
12153	E11	USB 26-9-2007 1940 (MUK) 330/23
12153	M03	CW 3-9-2007 Mon 0845 (HFD) 252/00
12153	M03	CW 24-9-2007 Mon 0845 (FN) 252/00
12153	M03c	CW 10-9-2007 Mon 0845 (FN) 258/38 == 77777 77777 05252 95813 ...
12156	XPA	AM 18-9-2007 0640 (RiN) "391" 000 32498 00001 00000 10140
12156	XPA	AM 18-9-2007 Tue 0640 (HFD) msg
12184	M12	CW 12-9-2007 Wed 1245 (FN) ip
12188	M12	CW 12-9-2007 Wed 1427 (FN) 901 1 485 321
12188	M12	CW 19-9-2007 Wed 1420 (FN) 901 1 237 205
12189	M12	CW 10-9-2007 Mon 1720 (FN) 725 1 1382 64
12189	M12	CW 11-9-2007 Tue 1620 (FN) 725 1 6149 63
12195	M24	CW 6-9-2007 Thu 0800 (FN) 742 00000
12195	M24	CW 6-9-2007 Thu 0800 (HFD) 742/0
12195	M24	CW 13-9-2007 Thu 0800 (HFD) 742/0
12195	M24	CW 27-9-2007 Thu 0800 (AB) 742 742 742 00000
12200	E06	AM 5-9-2007 Wed 1405 (HFD) 457/0
12215	S06	AM 18-9-2007 1500 (RiN) "493" 00000
12218	M12	CW 5-9-2007 Wed 1900 (FN)

		211 1 456 203
12218	M12	CW 8-9-2007 Sat 1900 (FN)
		211 1 2972 165
12218	M12	CW 22-9-2007 Sat 1900 (FN)
		211 1 639 269
12223	E07	AM 2-9-2007 Sun 1700 (HFD)
		201:1-324/119= 32759, weak
12223	E07	AM 2-9-2007 1700 (MUK)
		201 324/119
12223	E07	AM 9-9-2007 1700 (MUK)
		201-1 324/119
12224	X06	AM 12-9-2007 1510 (QT)
		Mazielka.
12224	X06	AM 13-9-2007 1600 (QT)
		Mazielka. Sequence: 463125
12224	X06	AM 13-9-2007 1619 (DS9)
		Mazielka
12310	S06	AM 6-9-2007 Thu 0910 (HFD)
		167-408/9=87669
12310	S06	AM 27-9-2007 Thu 0908 (AB)
		at 0908 UTC "7" in CW, then "167" in Russian, then at 0911
		UTC 167 408 msg 000000
12397	E11	AM 15-9-2007 0840 (MUK)
		197/75
12397	E11	AM 15-9-2007 0840 (MUK)
		197/75
12397	E11	USB 18-9-2007 Tue 0847 (FN)
		i.p.
12397	E11	USB 24-9-2007 Mon 0846 (FN)
		ip
12397	E11	USB 26-9-2007 Wed 0840 (FN)
		197/75 attn 40291 10218...
12397	E11	USB 27-9-2007 Thu 0840 (AB)
		197/75
12397	E11	USB 27-9-2007 Thu 0840 (FN)
		197/75 attn 40291 10218...
12397	E11	USB 28-9-2007 0840 (AB)
		197/75
12397	M03	CW 6-9-2007 Thu 0845 (FN)
		505/89 == 93442 42792...
12397	M03	CW 6-9-2007 Thu 0845 (HFD)
		505/89=95#42
12560	S06	AM 20-9-2007 Thu 1600 (HFD)
		425-830/6=24765
12603	E03	USB 9-9-2007 1814 (FC)
		LP in progress
12603	E03	USB 16-9-2007 1604 (FC)
		LP in progress

12603.0	E03	USB 30-9-2007 Sun 1900 (JME) Lincolnshire Poacher. In progress.
13029	V26	LSB 23-9-2007 0618 (Sferix) in progress
13065	S06	AM 13-9-2007 Thu 1610 (HFD) 425
13065	S06	AM 20-9-2007 Thu 1610 (HFD) 425-830/6=24765
13381	V07	AM 6-9-2007 Thu 0600 (FN) 372 000
13381	V07	AM 13-9-2007 Thu 0600 (HFD) 372/0
13381	V07	AM 13-9-2007 0614 (DS9) 372 372 372 000
13386	M12	CW 10-9-2007 Mon 1700 (FN) 725 1 1382 64
13386	M12	CW 11-9-2007 Tue 1600 (FN) 725 1 6149 63
13414	M14	CW 11-9-2007 Tue 0930 (FN) ID missed, ends: 85294 == 407 407 139 139 00000
13424	E11	USB 3-9-2007 Mon 1800 (FN) rpt of 1600z on 10429
13424	E11	USB 19-9-2007 Wed 1800 (FN) 886/71 attn 33333 33333 13525 ... rpt of 27.8.
13424	E11b	USB 24-9-2007 Mon 1800 (FN) 883/31 attn 77777 77777 14966...
13484	M12	CW 22-9-2007 Sat 1900 (FN) 464 000
13573	E11b	USB 24-9-2007 Mon 0630 (FN) 883/31 attn 77777 77777 14966...
13582	M12	CW 14-9-2007 Fri 1900 (FN) 503 1 348 41
13582	M12	CW 27-9-2007 Thu 1900 (FN) 503 1 396 77
13984	M12	CW 19-9-2007 Wed 1220 (FN) 991 000
14262	M12	CW 19-9-2007 Wed 1400 (FN) 901 1 237 205
14462	M12	CW 12-9-2007 Wed 1400 (FN) 901 1 485 321
14477	M42	MFSK-32/CROWD36 + 25-tone OFDM 1-9-2007 0820 (FD0) Dep. of State Comms Moscow. Tfc. to URO [=unlocated RUS-EMB] on link 60047, offline crypto lacking 5LG spacing
14487	E03	AM 5-9-2007 1500 (MUK) 02710
14487	E03	USB 6-9-2007 1216 (AB2) Lincshire Poacher - Traffic
14487	E03	USB 10-9-2007 1300 (PP1)

		LP id 89290
14710	M23	CW 11-9-2007 Tue 0830 (FN) 555 R10
14710	M23	CW 26-9-2007 Wed 0830 (FN) 555 R10 long spaces
14740	E06	AM 20-9-2007 Thu 0600 (FN) 260 517 89
14740	S06	AM 11-9-2007 Tue 1400 (HFD) 493
14740	S06	AM 18-9-2007 1400 (RiN) "493" 00000
14748	V02	AM 22-9-2007 1600 (Red) Atencion 37861 58888 56558 callup & in
14748	V02	AM 22-9-2007 1600 (TS) Atencion 37861 58888 56558 callup & in
14753	E??	AM 22-9-2007 0647 (EW) Off at 0705 UTC. Numbers station in English. Very poor audio. Sounded like a russian man. 5 figure groups
14781	V07	AM 13-9-2007 Thu 0620 (HFD) 372/0
14781	V07	AM 13-9-2007 0621 (DS9) 372 372 372 000
14984	M12	CW 19-9-2007 Wed 1200 (FN) 991 000
16005	E11	USB 12-9-2007 Wed 1130 (FN) 886/71 attn 33333 33333 13525...
16005	E11	AM 15-9-2007 1140 (MUK) missed call 33333 00071
16005	E11	USB 19-9-2007 1142 (MUK) ???/71
16005	E11	USB 22-9-2007 Sat 1130 (HFD) 885/00
16005	E11b	USB 26-9-2007 1130 (MUK) 883/31
16084	E03	USB 6-9-2007 1209 (AB2) Lincashire poacher song
16303	S??	USB 26-9-2007 1454 (KK2) Unid Slavic Numbers station 110001 "Adim Adim, Noll, Noll, Noll, Adim"
16331.7	MX	CW 6-9-2007 1207 (AB2) Cluster beacon "D"
16331.9	MX	CW 6-9-2007 1207 (AB2) Cluster beacon "S"
16666	V26	LSB 23-9-2007 0618 (Sferix) in progress
17435	V02a	AM 18-9-2007 1735 (MT2) In progress with the usual groups
17436	SK01	HamDRM 13-9-2007 1724 (N2UHC)

		nen12.txt file transfer
17436	SK01	HamDRM 13-9-2007 1738 (HS)
		nen12.txt file transfer
17436	SK01	RDFT 13-9-2007 1748 (HS)
		nen12.txt file transfer
17436	SK01	RDFT 14-9-2007 1720 (HS)
		file transfer
17436	V02	AM 22-9-2007 1700 (Red)
		Atencion
17436	V02a	AM 20-9-2007 1700 (HS)
		88154 77640 36588 etc
17436.0	V02a	AM 20-9-2007 Thu 1700 (KAS)
		s9+10 w central Ohio
17436.0	V02a	AM 22-9-2007 Sat 1700 (Red)
		37861 58888 56550 (YL/SS) (Repeat of 1600 on 17478)
		"Tres" repeated
17436.0	V02a	AM 22-9-2007 Sat 1700 (Red)
		37861 58888 56550 (YL/SS) (Repeat of 1600 on 17478)
		"Tres" repeated
17478	RDFT	SK01 19-9-2007 1605 (N2UHC)
		file nen12.txt
17478	SK01	RDFT 13-9-2007 1605 (N2UHC)
		RDFT signal on carrier
17478	SK01	RDFT 17-9-2007 1600 (N2UHC)
		nen12.txt file transfer
17478.0	V02a	AM 22-9-2007 Sat 1600 (Red)
		37861 58888 56550 (YL/SS) Message tx abrupted 1617.
		Switched to RHC
17478.0	V02a	AM 22-9-2007 Sat 1600 (Red)
		37861 58888 56550 (YL/SS) Message tx abrupted 1617.
		Switched to RHC
18465	E03a	USB 4-9-2007 0500 (EW)
		Cherry Ripe
18465	E03a	USB 4-9-2007 0530 (EW)
		Cherry Ripe
18864	E03	USB 10-9-2007 1200 (MUK)
		LP id 45282
18864	E03a	USB 10-9-2007 1300 (AVX)
		Cherry Ripe id 54893
18864	E03a	USB 21-9-2007 1106 (ANK)
		in progress
18864	E03a	USB 21-9-2007 1200 (ANK)
		in progress
20047.7	MX	CW 6-9-2007 1216 (AB2)
		Cluster beacon "D"
20474	E03a	USB 4-9-2007 1014 (AVX)
		Cherry Ripe in progress
20474	E03a	USB 21-9-2007 1000 (ANK)

		in progress	
21866	E03a	USB 10-9-2007	1300 (AVX)
		Cherry Ripe id 54893	
23461	E03a	USB 10-9-2007	1300 (AVX)
		Cherry Ripe id 54893	
23461	E03a	USB 21-9-2007	1000 (ANK)
		in progress	
23461	E03a	USB 21-9-2007	1106 (ANK)
		in progress	
23461	E03a	USB 21-9-2007	1200 (ANK)
		in progress	

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